

CLAIMS

What is claimed is:

- 5 1. A rack equipment management information coordination method comprising:
formulating a rack equipment management plan;
directing automatic equipment description information detection; and
storing the rack equipment description information and rack equipment
management plan.
- 10 2. A rack equipment information coordination method of Claim 1 further
comprising retrieving possible performance level settings from rack equipment.
- 15 3. A rack equipment information coordination method of Claim 2 wherein said
possible performance level settings from rack equipment include wattage settings.
4. A rack equipment information coordination method of Claim 1 wherein said
rack equipment management plan includes management objective guidelines.
- 20 5. A rack equipment information coordination method of Claim 1 wherein said
rack equipment management plan includes power and thermal budget guidelines.
6. A rack equipment information coordination method of Claim 1 wherein
formulating said rack equipment management plan further comprises interfacing with
25 a service agreement application.

7. A rack equipment information coordination method of Claim 1 further comprising integrating said rack equipment description information with said rack equipment management plan.

5 8. A rack equipment information coordination system comprising:
an equipment description information repository for tracking equipment
description information;
a management plan information repository for tracking rack equipment
management plan information; and
10 a coordination component for coordinating said equipment description
information and said rack equipment management plan information.

9. A rack equipment information coordination system of Claim 8 wherein said
15 equipment description information repository stores information associated with
features and characteristics of rack equipment and support equipment.

10. A rack equipment information coordination system of Claim 8 wherein said
equipment description information repository stores information indicating possible
operation settings of rack equipment.

20
11. A rack equipment information coordination system of Claim 8 wherein said
equipment description information repository stores information indicating rack
equipment is capable of operating at varying power levels and corresponding heat
generated at each level.

12. A rack equipment information coordination system of Claim 8 wherein said equipment description information repository stores performance level information.
13. A rack equipment information coordination system of Claim 8 wherein said management plan information repository tracks management policy and guideline information associated with a rack equipment management plan.
14. A rack equipment information coordination system of Claim 8 wherein policy information can provide a correlation between a trigger event and a rack equipment management objective.
15. A rack equipment information coordination system of Claim 8 wherein said coordination component provides a correlation between policies associated with a particular client and rack equipment implementing the client's applications.
16. A rack equipment information coordination system of Claim 8 further comprising:
 - a repository management component for managing information flow to and from said equipment description information repository and said management plan information repository; and
 - a communication link for communicating information to and from said repository management component.
17. A computer system comprising:
 - a means for communicating rack equipment related information;

a means for storing said rack related information and instructions, including instructions for implementing rack equipment information coordination; and a means for processing information and instructions, including said instructions and information for managing rack equipment information coordination.

5

18. A computer system of Claim 17 further comprising:
 - a rack equipment description retrieval module for controlling automatic retrieval of rack equipment description information;
 - a rack equipment management plan module for directing establishment of a rack equipment management plan;
 - a rack equipment correlation module for providing correlation instructions to a correlation component; and
 - an instruction saving module for directing rack equipment description information and the rack equipment management plan information saving operations.
- 15
19. A computer system of Claim 18 wherein said rack equipment management plan module facilitates determination of rack equipment management objectives.
20. A computer system of Claim 18 wherein said rack equipment management information coordination is utilized to support a variety of rack equipment management objectives.